



# Mission Systems

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How and When Do SCRs Get Fixed?

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- Accomplishments
  - Drivers
  - Defining the Job Jar
  - Changing the Job Jar
  - Upcoming...

# Deliveries



- It's been a busy year!
  - CP1:
    - CP 1.19.12—patch 15, 19, 20
    - CP 1.20—patch 8
    - ALOG
    - PC-ASORTS 1.15
  - Delivery 3
    - D3.2.5.1 ST&E
    - D3.2.5.1 engineering drops E1-E6
    - D3.2.5.1 releases P1, P2, P4, P5, D3.2.1 P6
  - Delivery 2
    - D2.3.14, D2.3.15
  - In work
    - CP1.21, PC-ASORTS 1.16, D3.2.5.1P6, D3.2.5.1P7, D2.3.16

# Drivers

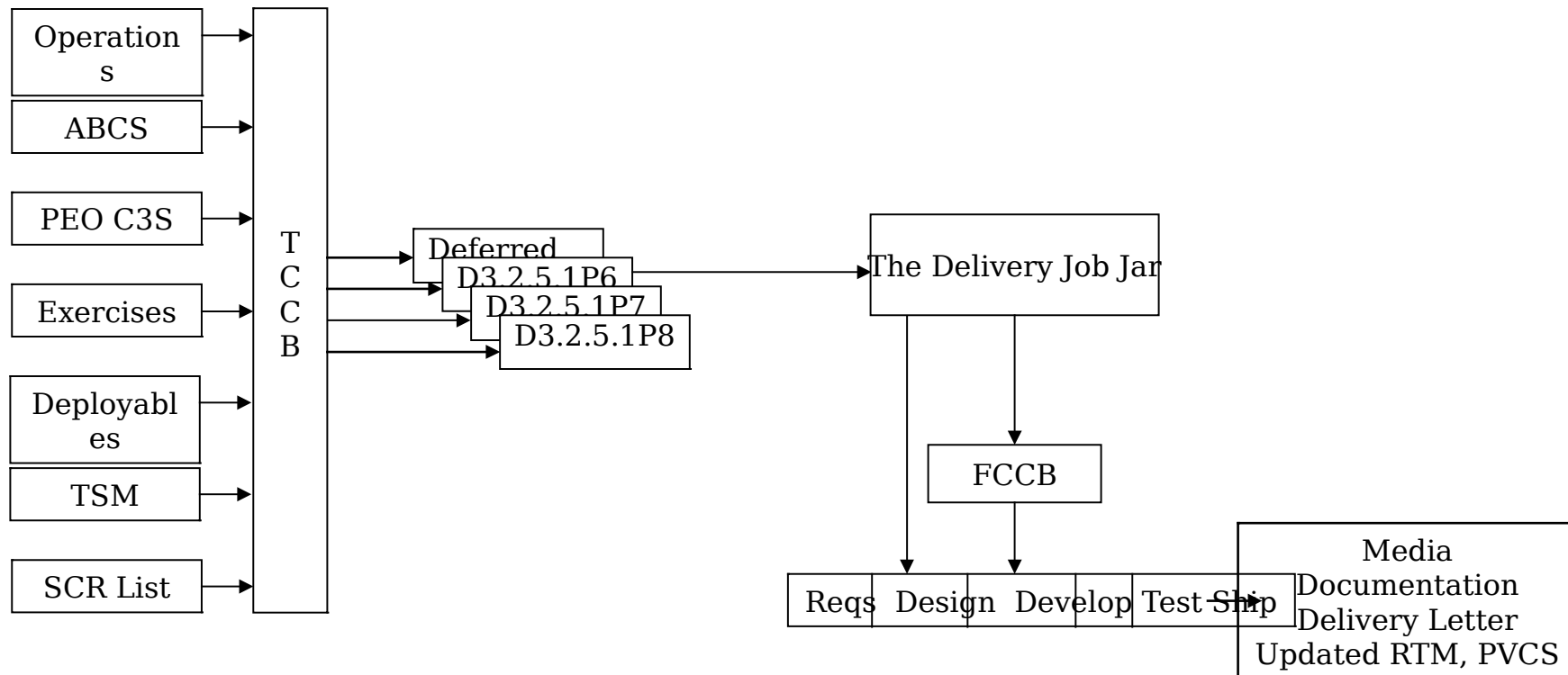


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- ABCS
    - Millennium Challenge 2002
    - MCS IOT&E
    - Cobra Gold
    - Prairie Warrior
    - JWID
  - AR 220-1
  - Deployable Suites
  - GCCS Interoperability
  - Korea Fielding
  - SCRs

# Defining the contents



## Program Drivers (the competition):



- TCCB—Technical Configuration Control Board  
--chaired by Government Delivery Manager
- FCCB—Factory Configuration Control Board  
--contractor only, chaired by Program Director

# The Delivery 'Job Jar'



- The delivery is defined by:

- Contents
- Schedule
- Resources

- Each element of the delivery can be characterized by:

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- Requirements analysis design development test ship
- The time scale varies for each element

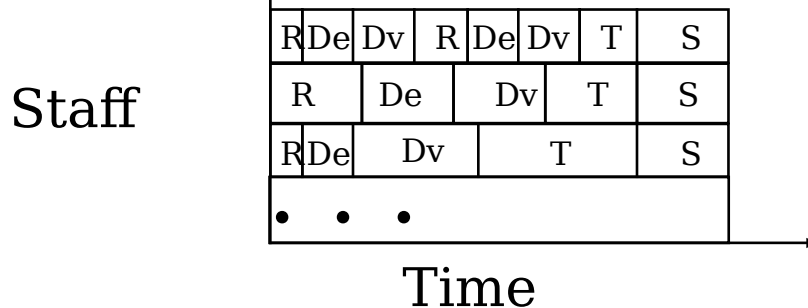
- And the delivery contents can be represented by:

RDe	Dv	R	De	Dv	T	S
R	De	Dv	T	S		
•	•	•				

# The Delivery 'Job Jar'



- The cost of the delivery is defined in staff-months:



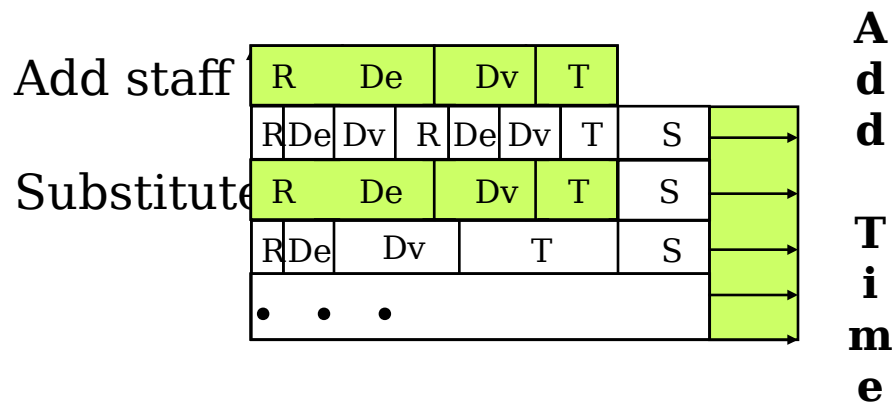
- The LM-MS Delivery Manager develops the schedule based on:
  - Required functionality
  - Available resources
  - Time (ideally, the independent variable)

# Adding to the mix...



- Once a release has been planned, any addition needs to be an
  - Consider the effort associated with the 

R	De	Dv	T
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  - Does it affect a segment planned for update
  - Is it a new capability
  - Where are we in the development cycle?
  - Priority



- Or, a combination
- or, defer to the next release



# Changing the Job Jar



- The key variables are contents, resources, and time
- If one variable is fixed, the other two can be manipulated
  - If time is critical, content and staff can be managed
- If two variables are fixed, the remaining one is changed
  - If time and content are critical, then staff must be adjusted
- If all three are fixed, quality is affected
  - The Risk Meeting is key to avoiding this condition

R	De	Dv	T	S
R	De	Dv	T	S
R	De	Dv	T	S

# Upcoming...



- Focus areas:
  - Block IV development
  - Periodic D3
  - CP1 critical maintenance
  - CP2 development
  - Prototype Team
    - Lookahead, experimentation
    - Rotating staff (4-5 people)
    - 3-4 month duration
  - Ops Tempo